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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/578,998	05/11/2006	Mitsuharu Nakasato	40420	5113	
52054 PEARNE & GO	7590 12/06/2007 ORDON LLP		EXAM	INER	
1801 EAST 9TH STREET			DINH,,TR	DINH, TRINH VO	
SUITE 1200 CLEVELAND,	OH 44114-3108		ART UNIT	PAPER NUMBER	
			2821		
		·	NOTIFICATION DATE	DELIVERY MODE	
			12/06/2007	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patdocket@pearne.com dchervenak@pearne.com

	Application No.	Applicant(s)	
	10/578,998	NAKASATO ET A	L.
Office Action Summary	Examiner	Art Unit	77.7.318.711.01.01.01.01.01.01.01.01.01.01.01.01.0
	Trinh Vo Dinh	2821	
The MAILING DATE of this communication ap	pears on the cover sheet w	vith the correspondence ad	ldress
Period for Reply			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	NATE OF THIS COMMUN 136(a). In no event, however, may a will apply and will expire SIX (6) MO e, cause the application to become A	ICATION. reply be timely filed NTHS from the mailing date of this or ABANDONED (35 U.S.C. § 133).	
Status			
1)⊠ Responsive to communication(s) filed on 27 J	ulv 2006		
	s action is non-final.		
3) Since this application is in condition for allowa		iters, prosecution as to the	e merits is
closed in accordance with the practice under I	·		
Disposition of Claims	•		
4)⊠ Claim(s) <u>1-3</u> is/are pending in the application.		•	
4a) Of the above claim(s) is/are withdra	wn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-3</u> is/are rejected.		•	
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers			
9) The specification is objected to by the Examine	er		
10)☐ The drawing(s) filed on is/are: a)☐ acc		by the Examiner.	
Applicant may not request that any objection to the		•	
Replacement drawing sheet(s) including the correc	,		FR 1.121(d).
11) The oath or declaration is objected to by the Ex			
Priority under 35 U.S.C. § 119			
12)⊠ Acknowledgment is made of a claim for foreign	priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
a)⊠ All b)□ Some * c)□ None of:		3 (4) (4) (1)	
1. Certified copies of the priority document	s have been received.		
2. Certified copies of the priority document		Application No	
3. Copies of the certified copies of the prio			Stage
application from the International Burea			J
* See the attached detailed Office action for a list	of the certified copies not	received.	
Attachment(s)			
1) X Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413)	
2) DNotice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No((s)/Mail Date	
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>05/11/2006</u> .	5)	Informal Patent Application .	
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DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-3 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, line 8, what is meant by "the basis of an impedance of the antenna"?

In claim 2, line 3, what is meant by "at the time of low output power of the power amplifier"? Does it mean that "when an output power of the power amplifier is low"?

In claim 3, line 8, what is meant by "in a direction of impedance at the high output power time"?

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 4. Claims 1-3, as the best understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Ikeda et al (US 5,901,345).

Ikeda discloses, in Fig. 2, an antenna (1) that transmits an electromagnetic wave; and a transmitter (2+3) that supplies a high-frequency transmission signal to the antenna, wherein the transmitter includes a power amplifier (3) that amplifies power of the transmission signal, and an

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output load impedance of the power amplifier being changed on the basis of an impedance of the antenna; and a phase shifter (2) connected between the power amplifier (3) and the antenna (1) for matching the impedance of the antenna to the output load impedance of the power amplifier.

Respecting claims 2-3, Ikeda discloses, in cols. 3-4, wherein the impedance of the antenna in a free space is matched to the output load impedance at the time of low output power of the power amplifier, and when the impedance of the antenna increases, the phase shifter changes the output load impedance of the power amplifier in a direction of impedance at the high output power time.

Inquiry

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trinh Vo Dinh whose telephone number is (571) 272-1821. The examiner can normally be reached on Monday to Friday from 9:30AM to 6:00PM. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens, can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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TRINH DINH PRIMARY EXAMINER